1. (a) Call $f_n$ the value of the following Hackenbush position as a function of $n$, the number of legs. Determine $f_n$ for small values of $n$. How far can you go?

The value of the positions are \{0, \frac{1}{2}, 1, 1, 1, \ldots \}

(b) How about this position?

The value of the positions are \{0, \frac{1}{2}, \frac{1}{4}, 2, 2, 2, \ldots \}

(c) Come up with an infinite series of Hackenbush positions of your own. See if you can find the first few values.